

Claims

1. A method for managing data transmission in a data network, **characterized** in that said method comprises the following steps, where

- a determined piece of information is stored in a storage location according to a determined address (105, 110)
- the address information that determines said address is transmitted to the intermediary (128),
- information of at least one user who has the right to access said determined piece of information is transmitted to the intermediary (115),
- said address information is stored in the user-specific directory of the intermediary, in which directory said at least one user has access (250), and
- said determined piece of information is transmitted to the user on the basis of said address information (380).

2. A method according to claim 1, **characterized** in that said address information is encrypted by the user's public key, in which case the address information encryption can be decoded by the user (120, 365).

3. A method according to claim 1, **characterized** in that said user information is encrypted by the intermediary's public key (125), in which case the intermediary decodes the user information encryption and records the address information in a user-specific intermediary directory on the basis of said user information (235-250).

4. A method according to claim 1, **characterized** in that in between the user and the first intermediary directory, there is established a connection on the basis of user verification.

5. A method according to claim 4, **characterized** in that for one user, there are created two intermediary directories, in which case between the user and the first intermediary directory, there is established a connection on the basis of a first verification of the user, and in between the user and the second intermediary directory, there is created a connection on the basis of a second verification of the user, in which case the first and second verification are mutually different as regards the reliability (strength) typical of said verification procedure.

6. A method according to claim 1, **characterized** in that the intermediary transmits a given information to the user.

7. A method according to claim 6, **characterized** in that
- the user sends the intermediary a request for receiving a given piece of information,
 - an encryption decoding key for decoding the encryption of said given piece of information is transmitted to the user,
- 5 - the transmission of said encryption decoding key to the user is registered as an indication of the reception of said document.

8. An arrangement according to the invention for managing data transmission in a data network, **characterized** in that said arrangement comprises

- means for storing a determined piece of information in a storage location according to a determined address (411, 413)
- means for transmitting said address information to an intermediary, said address information defining said address (411, 430, 441),
- means for transmitting to the intermediary information of at least one user who has right to access said determined piece of information (411, 412, 430, 44),
- 15 - means for storing said address information in the user-specific directory of the intermediary, in which directory said at least one user has access (441, 448), and
- means for transmitting said determined piece of information to the user on the basis of said address information (413, 411, 430, 420).

9. An arrangement according to claim 8, **characterized** in that said arrangement also
- 20 comprises means for encrypting said address information by the user's public key, so that the address information encryption can be decoded by the user (411, 412).

10. An arrangement according to claim 8, **characterized** in that said arrangement also comprises means for encrypting said user information by the intermediary's public key prior to the transmission to the intermediary, means for decoding the encryption of the
- 25 user information after transmission to the intermediary and means for recording the address information in a user-specific intermediary directory on the basis of said user information (411).

11. An arrangement according to claim 8, **characterized** in that said arrangement comprises means for verifying the user in order to establish a connection between the user
- 30 and the intermediary (441, 446).

12. A method according to claim 11, **characterized** in that said arrangement comprises means for creating two intermediary directories for one user, means for establishing a connection between the user and the first intermediary directory on the basis of a first verification of the user, and means for establishing a connection between the user and the

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